



**FORM PTO-1449**  
**U.S. DEPARTMENT OF COMMERCE**  
**PATENT AND TRADEMARK OFFICE**

APPLICATION SERIAL NO.: 09/930,421

GROUP ART UNIT: ~~2681~~ 2633

APPLICANTS: Noah J. Ternullo et al.

EXAMINER: ~~AAA~~ D. Singh

FILING DATE: August 15, 2001

CONFIRMATION NO.: 1551

RE: METHOD AND APPARATUS FOR INFRARED DATA COMMUNICATION

**U.S. PATENT DOCKETS**

| EXAMINER<br>INITIAL | DOCUMENT<br>NO. | DATE       | NAME                     | CLASS/SUB-<br>CLASS | FILING DATE IF<br>APPROPRIATE |
|---------------------|-----------------|------------|--------------------------|---------------------|-------------------------------|
| DS                  | 5,067,104       | 11/19/1991 | Krishnakumar ,<br>et al. | 712/226             | 5/1/1986                      |
| DS                  | 5,260,938       | 11/9/1993  | Hofmann                  | 370/269             | 5/21/1991                     |
| DS                  | 5,321,542       | 6/14/1994  | Freitas , et al.         | 398/127             | 11/8/1993                     |
| DS                  | 5,873,045       | 2/16/1999  | Lee et al.               | 455/556.2           | 10/29/1997                    |
| DS                  | 6,643,510       | 11/4/2003  | Taylor                   | 455/431             | 8/29/2001*                    |

**FOREIGN PATENT DOCUMENTS**

| EXAMINER<br>INITIAL | DOCUMENT NO. | DATE | APPLICANT<br>NAME | CLASS/SUB-<br>CLASS | TRANSLATION<br>YES NO |
|---------------------|--------------|------|-------------------|---------------------|-----------------------|
|                     |              |      |                   |                     |                       |

**OTHER DOCUMENTS**

(Including Author, Title, Date, Pertinent Pages, etc.)

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\* If any such item is considered sufficiently relevant by the Examiner to the present invention, its possible "prior art" status against the present invention should be considered individually allowing for the prospect of Applicants' swearing back or other priority determination.

**EXAMINER****DATE CONSIDERED**

David Singh

01/03/06



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APPLICATION SERIAL NO.: 09/930,421

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APPLICANTS: Noah J. Ternullo et al.

EXAMINER: ~~Jason Chan~~ D. Singh

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| DS                  | 4,975,926       | 12/04/90 | Knapp         | 375/1               | —                             |
| DS                  | 5,260,936       | 11/09/93 | Bardet et al. | 370/61              | —                             |
| DS                  | 5,307,349       | 04/26/94 | Shloss et al. | 370/85.2            | —                             |
| DS                  | 5,663,952       | 09/02/97 | Gentry, Jr.   | 370/252             | —                             |
| DS                  | 5,758,087       | 05/26/98 | Aaker et al.  | 395/200.62          | —                             |
| DS                  | 5,815,516       | 09/29/98 | Aaker et al.  | 371/53              | —                             |
| DS                  | 5,898,713       | 04/27/99 | Melzer et al. | 371/53              | —                             |

**FOREIGN PATENT DOCUMENTS**

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|---------------------|------------------|----------|--|---------------------|-----------------------|
| DS                  | EP 0552861<br>A2 | 07/28/93 | American<br>Telephone &<br>Telegraph Co. | H03M 13/00          | No                    |
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| DS | Postel, J. (Ed.) (Sept. 1981) "Transmission Control Protocol: Darpa Internet Program Protocol Specification." Prepared for Defense Advanced Research Projects Agency, Information Processing Techniques Office by Information Sciences Institute, University of Southern California, pp. i-85. |
| DS | Braden, R. et al. (Sept. 1988) "Computing the Internet Checksum." Braden, Borman & Partridge memo, pp. 1-24.   |
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**EXAMINER****DATE CONSIDERED**

Dalzid Singh

01/03/06

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GROUP ART UNIT: ~~2681~~ 2633

APPLICANTS: Noah J. Ternullo et al.

EXAMINER: N/A

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| DS                  | 6,108,703       | 8/22/2000*  | Leighton et al.        | 709/226             | 5/19/1999                     |
|                     | 6,085,030       | 7/4/2000*   | Whitehead et al.       | 395/200.33          | 5/2/1997                      |
|                     | 6,064,502       | 5/16/2000*  | Burns et al.           | 359/152             | 8/25/1997                     |
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|                     | 5,969,678       | 10/19/1999* | Stewart                | 342/457             | 11/4/1998                     |
|                     | 5,966,225       | 10/12/1999* | Taglione et al.        | 359/152             | 11/12/1996                    |
|                     | 6,092,120       | 7/18/2000*  | Swaminathan et al.     | 709/247             | 6/26/1998                     |
|                     | 5,986,787       | 11/16/1999* | Ohshima et al.         | 359/159             | 3/14/1997                     |
|                     | 5,946,697       | 8/31/1999*  | Shen                   | 707/104             | 4/22/1997                     |
|                     | 5,898,836       | 4/27/1999   | Freivald et al.        | 395/200.48          | —                             |
|                     | 5,897,622       | 4/27/1999   | Blinn et al.           | 705/26              | —                             |
|                     | 5,884,215       | 3/16/1999   | Birchler et al.        | 701/207             | —                             |
|                     | 5,878,218       | 3/2/1999    | Maddalozzo, Jr. et al. | 395/200.43          | —                             |
|                     | 5,857,201       | 1/5/1999    | Wright, Jr. et al.     | 707/104             | —                             |
|                     | 5,832,296       | 11/3/1998   | Wang et al.            | 395/823             | —                             |
|                     | 5,790,605       | 8/4/1998    | Helm et al.            | 375/347             | —                             |
|                     | 5,790,295       | 8/4/1998    | Devon                  | 359/189             | —                             |
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|                     | 6,292,283B1     | 9/18/2001*  | Grandbois              | 359/143             | 7/17/1998                     |
|                     | 6,278,499B1     | 8/21/2001*  | Darbee et al.          | 348/734             | 7/6/1999                      |
|                     | 6,098,188       | 8/1/2000*   | Kalmanek, Jr. et al.   | 714/746             | 6/30/1995                     |
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|                     | 5,852,664       | 12/22/1998  | Iverson et al.         | 380/25              | —                             |
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| W                   | 5,410,326       | 4/25/1995   | Goldstein              | 348/134             | —                             |
| DS                  | 5,982,520       | 11/9/1999   | Weiser et al.          | 359/172             | —                             |

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|                     |                |           |                             |                     | YES         | NO |
| DS                  | PCT/US01/25593 | 8/15/2001 | Lockheed Martin Corporation | —                   |             | No |
| DS                  | WO 02/15438 A1 | 2/21/2002 | Lockheed Martin Corporation | —                   |             | No |

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(Including Author, Title, Date, Pertinent Pages, etc.)

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| DS | Noah J. Ternullo et al., US Patent Application S/N: 09/929,979 filed 8/15/2001 Entitled METHOD AND APPARATUS FOR DETERMINING THE CONTEXT OF A HANDHELD DEVICE (Attorney Docket No. 12078-141).            |
| DS | Noah J. Ternullo et al., US Patent Application S/N: 09/929,995 filed 8/15/2001 Entitled METHOD AND APPARATUS FOR DELIVERING SERVICES IN A CONSTRAINED ENVIRONMENT (Attorney Docket No. 12078-142).        |
| DS | Noah J. Ternullo et al., US Provisional Patent Application S/N: 60/225,349 filed 8/15/2000 Entitled InfoFlo: A COMMONICATION INFRASTRUCTURE FOR PUSHING CONTEXT TO A MOBILE PDA.                          |
| DS | John Cox, "WideRay Beams Data to Handhelds", Network World, May 27, 2002; pages 15 and 18.*   |

\* If any such item is considered sufficiently relevant by the Examiner to the present invention, its possible "prior art" status against the present invention should be considered individually allowing for the prospect of Applicants' swearing back or other priority determination.

EXAMINER : Dalziel Singh DATE CONSIDERED : 01/03/06